

REFERENCE 11

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AN 97:145900 HCA
 TI Adhesives.
 PA Toyo Ink Mfg. Co., Ltd., Japan
 SO Jpn. Kokai Tokkyo Koho, 8 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP--57030774	A2	19820219	1980JP-0104424	19800731
	JP--01047507	B4	19891013		
	JP--02058586	A2	19900227	1988JP-0304048	19881202
	JP--03046513	B4	19910716		
PRAI	1980JP-0104424		19800731		

AB Mixts. of a polyolefin contg. a polyolefin grafted with an ethylenic unsatd. carboxylic acid and optionally contg. a metal compd. are useful as adhesives for food packaging films. Thus, 100 parts polypropylene (I) [9003-07-0] was grafted with 100 parts maleic anhydride to give a graft copolymer (II) [25722-45-6]. II 10, I 2.5, Al(OH)3 0.1, and xylene 60 parts were mixed. Al foil-polyester laminate was coated (Al surface) with the mixed compn. and pressed together with I film to give a food packaging film having good heat resistance.

IT Packaging materials
 (for food, laminates of aluminum foil with polyesters and polypropylene as, olefin polymer adhesives for)

IT Polyesters, uses and miscellaneous
 RL: USES (Uses)
 (laminates with aluminum foil and polypropylene, for food packaging, olefin polymer adhesives for)

IT Food
 (packaging materials for, laminates of aluminum foil with polyesters and polypropylene as, olefin polymer adhesives for)

IT Adhesives
 (polyolefins contg. olefin-unsatd. carboxylic acid graft copolymers as, for food packaging films)

IT 9002-88-4
 RL: TEM (Technical or engineered material use); USES (Uses)
 (adhesives, contg. ethylene-maleic anhydride graft copolymers, for food packaging films)

IT 9003-07-0
 RL: TEM (Technical or engineered material use); USES (Uses)
 (adhesives, contg. unsatd. carboxylated acid-grafted polypropylene, for food packaging films)

IT 7429-90-5, uses and miscellaneous
 RL: USES (Uses)
 (foil, laminates with polyesters and polypropylene, for food packaging)

IT 9006-26-2
 RL: USES (Uses)
 (graft, adhesives, contg. polyethylene, for food packaging films)

IT 25722-45-6
 RL: USES (Uses)
 (graft, adhesives, contg. polypropylene, for food packaging films)

IT 25214-24-8
 RL: USES (Uses)
 (graft, adhesives, contg. polypropylene, for foot packaging films)

IT 21645-51-2, uses and miscellaneous
 RL: USES (Uses)
 (olefin polymer adhesives contg., for good bond strength)